



## Water Defrost Evaporators

Water defrost evaporator is a kind of cooling equipment used in those cold storage rooms where electrical defrosting is not applicable or quick defrosting is required. According to applicable temperature, there are 3 types including DL、DD、DJ, which are applicable to about 0°C、-18°C and -25°C cold storage rooms respectively.

The features as follows:

- The evaporator with reasonable structure, uniform frosting and high efficiency heat exchange;
- Water defrosting makes the defrosting quicker than electrical defrosting;
- The installation region needs to close to the water source.



The main tech.data for DD type water defrost evaporators

Model	Ref.capacity (kW)	Cooling Area (m <sup>2</sup> )	Spacing of Fins (mm)	Fan						Defrost Water		
				Qty	Diameter (mm)	Volume (m <sup>3</sup> /h)	Pressure (pa)	Fan motor (n*w)	Power supply	Water volume (T/h)	Water inlet (inch)	Water outlet (inch)
DD-12.0/60	12.0	60	6	2	500	2*6500	167	2*420	380v 50hz 3Ph	2.0	G1 1/2	G2 1/2
DD-15.9/80	15.9	80		2	500	2*6500	167	2*420		2.7		
DD-20.0/100	20.0	100		3	500	3*6500	167	3*420		3.2		
DD-24.0/120	24.0	120		3	500	3*6500	167	3*420		3.9		
DD-28.0/140	28.0	140		4	500	4*6500	167	4*420		4.5	G2	G3
DD-32.1/160	32.1	160		4	500	4*6500	167	4*420		5.0		
DD-37.4/200(A)	37.4	200		4	500	4*6500	167	4*420		6.3		
DD-37.4/200(B)	37.4	200		2	600	2*10000	200	2*1500		6.3	G2	G3
DD-46.8/250(A)	46.8	250		4	550	4*7500	180	4*550		7.5		
DD-46.8/250(B)	46.8	250		3	600	3*10000	200	3*1500		7.5	G2	G4
DD-56.2/310	56.2	310		3	600	3*10000	200	3*1500		9.3		
DD-59.4/330	59.4	330		3	600	3*10000	200	3*1500		9.9		
DD-64.7/350	64.7	350		3	650	3*12000	210	3*2200		10.5		
DD-68.4/380	68.4	380		3	650	3*12000	210	3*2200		11.4	2-G2	2-G4
DD-72.0/400	72.0	400		4	600	4*10000	200	4*1500		12.0		
DD-76.5/425	76.5	425		4	600	4*10000	200	4*1500		12.8		
DD-81.0/450	81.0	450		4	650	4*12000	210	4*2200		13.5		
DD-86.5/480	86.5	480		4	650	4*12000	210	4*2200		14.4	2-G2	2-G4
DD-90.0/500	90.0	500		4	650	4*12000	210	4*2200		15.0		
DD-93.0/530	93.0	530		4	650	4*12000	210	4*2200		15.4		
DD-96.0/550	96.0	550	4	650	4*12000	210	4*2200	16.0				
DD-101.0/580	101.0	580	4	650	4*12000	210	4*2200	16.8	2-G2	2-G4		
DD-105.0/600	105.0	600	4	650	4*12000	210	4*2200	17.4				

Note: The tech. data is based on R22, T(r)=-18°C, ΔT=10°C.

## The main tech.data for DJ type water defrost evaporators

Model	Ref. capacity (kW)	Cooling Area (m2)	Spacing of Fins (mm)	Fan						Defrost Water		
				Qty	Diameter (mm)	Volume (m3/h)	Pressure (pa)	Fan motor (n*w)	Power supply	Water volume (T/h)	Water inlet (inch)	Water outlet (inch)
DJ-7.8/40	7.8	40	9	2	500	2*6500	167	2*420	380v 50hz 3Ph	2.0	G1 1/2	G2 1/2
DJ-9.7/55	9.8	55		2	500	2*6500	167	2*420		2.7		
DJ-12.8/70	12.8	70		3	500	3*6500	167	3*420		3.2		
DJ-15.7/85	15.7	85		3	500	3*6500	167	3*420		3.9		
DJ-18.8/100	18.8	100		4	500	4*6500	167	4*420		4.5	G3	
DJ-21.6/115	21.6	115		4	500	4*6500	167	4*420		5.0		
DJ-23.9/140(A)	23.9	140		4	500	4*6500	167	4*420		6.3		
DJ-23.9/140(B)	23.9	140		2	600	2*10000	200	2*2200		6.3	G2	
DJ-29.0/170(A)	29.0	170		4	550	4*7500	180	4*550		7.5		
DJ-29.0/170(B)	29.0	170		3	600	3*10000	200	3*2200		7.5		
DJ-35.9/210	35.9	210		3	600	3*10000	200	3*2200		9.3		
DJ-38.0/225	38.0	225		3	600	3*10000	200	3*2200		9.9	G4	
DJ-39.8/235	39.8	235		3	650	3*12000	210	3*2200		10.5		
DJ-43.2/255	43.2	255		3	650	3*12000	210	3*2200		11.4		
DJ-47.6/280	47.6	280		4	600	4*10000	200	4*2200		12.0		
DJ-50.0/295	50.0	295		4	600	4*10000	200	4*2200		12.8	2-G2	
DJ-52.7/310	52.7	310		4	650	4*12000	210	4*2200		13.5		
DJ-56.0/330	56.0	330		4	650	4*12000	210	4*2200		14.4		
DJ-58.5/345	58.5	345		4	650	4*12000	210	4*2200		15.0		
DJ-60.0/365	60.0	365		4	650	4*12000	210	4*2200		15.4	2-G4	
DJ-63.0/380	63.0	380	4	650	4*12000	210	4*2200	16.0				
DJ-66.0/400	66.0	400	4	650	4*12000	210	4*2200	16.8				
DJ-68.0/410	68.0	410	4	650	4*12000	210	4*2200	17.4				

Note :The tech .data is based on R22,T(r)=-25°C, ΔT=10°C.

Working Conditions		
Temp.(cold room)	ΔT	Correction Factors
0°C	8K	0.8
-18°C	7K	0.72
-25°C	6K	0.61

If any special application, please contact us.

## The overall and installation dimension for ceiling type evaporators

Model	A	B	C	D	E	E1	E2	E3	F	Inlet tube (mm)	Back trachea (mm)	Water inlet (inch)	Drainpipe (inch)
DD-12.0/60	1820	650	850	510	1530	750	/	/	105	19	35	G1 1/2	G2 1/2
DJ-7.8/40													
DD-15.9/80	1820	700	850	560	1530	750	/	/					
DJ-9.7/55													
DD-20.0/100	2300	700	850	560	2010	660	660	/		38			
DJ-12.8/70													
DD-24.0/120	2720	700	850	560	2430	800	800	/					
DJ-15.7/85													
DD-28.0/140	3120	700	860	560	2830	700	700	700					
DJ-18.8/100													
DD-32.1/160	3520	700	860	560	3230	800	800	800					
DJ-21.6/115													
DL-52.5/260(A)	3520	780	880	640	3230	800	800	800					
DD-37.4/200(A)													
DJ-23.9/140(A)													
DD-37.4/200(B)	2220	1140	1130	740	1950	950	/	/	95				
DJ-23.9/140(B)													
DL-67.2/330(A)	3440	780	1120	640	3150	780	780	780	105	50			
DD-46.8/250(A)													
DJ-29.0/170(A)													
DD-46.8/250(B)	2720	1140	1130	740	2450	800	800	/	25	G2			
DJ-29.0/170(B)													
DD-56.2/310	3200	1140	1130	740	2930	960	960	/					
DJ-35.9/210													
DL-86.0/440	3410	1150	1120	740	3140	1030	1030	/					
DD-59.4/330													
DJ-38.0/225													
DL-91.0/460	3200	1150	1220	740	2930	960	960	/	95	54			
DD-64.7/350													
DJ-39.8/235													
DL-97.5/500	3470	1150	1220	740	3200	1050	1050	/					
DD-68.4/380													
DJ-43.2/255													
DL-105.0/540	4120	1150	1120	740	3850	950	950	950					
DD-72.0/400													
DJ-47.6/280													
DL-111.0/570	4320	1150	1120	740	4050	1000	1000	1000	2-25	2-50	2-G2		
DD-76.5/425													
DJ-50.0/295													

If any special application, please contact us.



### The installation dimensions for water defrost evaporators

Model	A	B	C	D	E	E1	E2	E3	F	Inlet tube (mm)	Back trachea (mm)	Water inlet (inch)	Drainpipe (inch)
DL-117.0/600	4120	1150	1220	740	3850	950	950	950	95	2-25	2-50	2-G2	G4
DD-81.0/450													
DJ-52.7/310													
DL-125.0/665	4320	1150	1220	740	4050	1000	1000	1000					
DD-86.5/480													
DJ-56.0/330													
DL-129.0/665	4480	1150	1220	740	4210	1040	1040	1040					
DD-90.0/500													
DJ-58.5/345													
DL-133.0/700	3840	1250	1220	840	3570	880	880	880					
DD-93.0/530													
DJ-60.0/365													
DL-140.0/775	4000	1250	1220	840	3730	920	920	920					
DD-96.0/550													
DJ-63.0/380													
DL-147.0/775	4200	1250	1220	840	3930	970	970	970					
DD-101.0/580													
DJ-66.0/400													
DL-152.0/800	4320	1250	1220	840	4050	1000	1000	1000					
DD-105.0/600													
DJ-68.0/410													

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